

Title (en)

FUEL COOLING IN THE RETURN LINE OF A PRESSURE-BOOSTED INJECTION SYSTEM

Title (de)

KRAFTSTOFFKÜHLUNG IM RÜCKLAUF EINES DRUCKÜBERSETZTEN EINSPRITZSYSTEMS

Title (fr)

REFROIDISSEMENT DU CARBURANT DANS LE RETOUR D'UN SYSTEME D'INJECTION A MULTIPLICATION DE PRESSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004009990A1] The invention relates to a fuel circuit in a common-rail injection system, comprising a low-pressure pump (1), a high pressure pump (3) and a bypass line (5), for the injection rail (4), whereby said bypass line (5) has a second fuel filter (7.2) and a heat exchanger (6). The bypass line (5) returns excess fuel into the fuel line (2) between the low pressure pump (1) and the high pressure pump (3).

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